

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

PGT Industries P.O. Box 1529 Nokomis, FL 34274

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "SGD-70" Aluminum Sliding Glass Door

APPROVAL DOCUMENT: Drawing No. **4340**, titled "Impact – Alum. Sliding Glass Door", sheets 1 through 6 of 6, prepared by manufacturer, dated 2/16/98 with revision on 6/2/03, signed and sealed by Robert Clark, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 02-0306.01 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by Theodore Berman, P.E.

10/16/2003

NOA No 03-0512.04 Expiration Date: May 06, 2007 Approval Date: November 06, 2003 Page 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. **4340**, titled "Impact Alum. Sliding Glass Door", sheets 1 through 6 of 6, prepared by manufacturer, dated 2/16/98 with revision on 6/2/03, signed and sealed by Robert Clark, P.E.

B. TESTS

- 1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-03038 dated 5/18/03.

Submitted under NOA# 02-0306.01

- 2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94 along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-98029** dated 3/17/98.
- 2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94

Reevan

3) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94 along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-02081** dated 7/18/02.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300-98 and structural analysis, dated 5/7/03, prepared, signed and sealed by Robert Clark, P.E.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **00-1212.04** issued to E.I. DuPont DeNemours for "Dupont Butacite ® PVB" dated 2/15/01, expiring on 12/11/05.

Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0512.04

Expiration Date: May 06, 2007 Approval Date: November 06, 2003

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. QUALITY ASSURANCE

1. Miami-Dade County Building Code Compliance Office.

F. STATEMENTS

1. Laboratory compliance letter for Test Report No. **FTL –03038** prepared by Fenestration Testing Laboratory, Inc, dated 4/3/03, signed and sealed by Joseph Chan, P.E.

G. OTHER

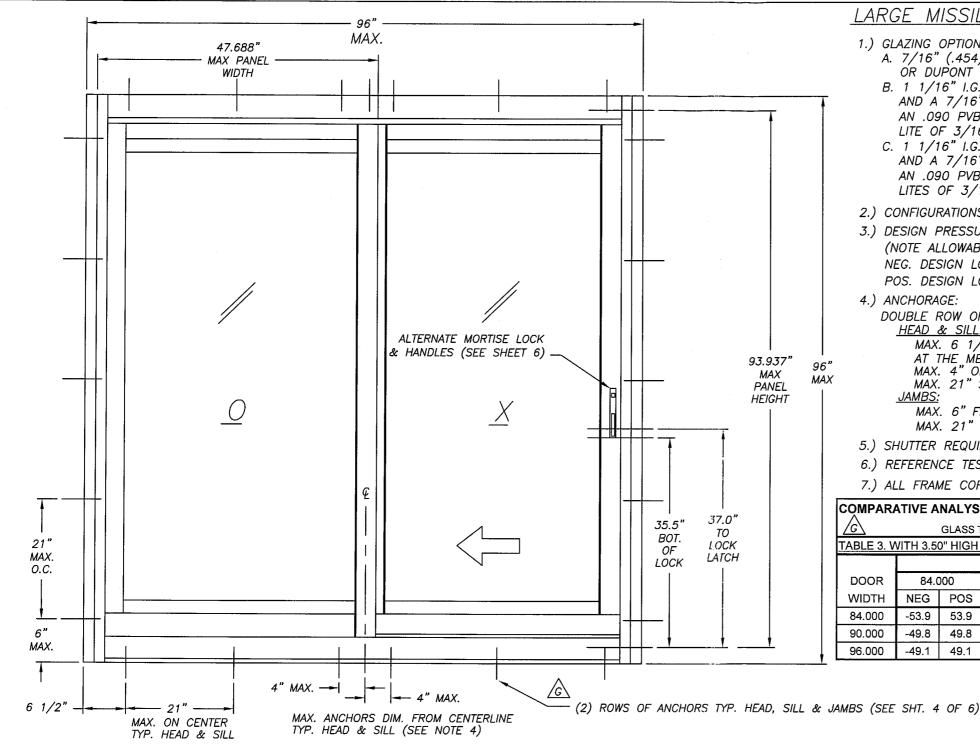
- 1. Notice of Acceptance No. **02-0306.01**, issued to PGT Industries, Series "HS 70" Aluminum Sliding Glass Door, approved on 6/27/02 and expiring on 5/6/07.
- 2. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).

Werther Beiman, P.E.
Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0512.04

Expiration Date: May 06, 2007 Approval Date: November 06, 2003



LARGE MISSILE IMPACT SLIDING GLASS DOOR

- 1.) GLAZING OPTIONS:
 - A. 7/16" (.454) LAMINATED W/ AN .090 PVB INNER LAYER OF MONSANTO SAFELEX OR DUPONT BUTACITE BETWEEN (2) LITES OF 3/16" HEAT STRENGTHENED GLASS.
 - B. 1 1/16" I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS, A 1/2" AIR SPACE AND A 7/16" LAMINATED GLASS. THE 7/16" LAMINATED GLASS COMPONENT CONSIST OF AN .090 PVB INNER LAYER OF MONSANTO SAFELEX OR DUPONT BUTACITE BETWEEN (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS.
 - C. 1 1/16" I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS, A 1/2" AIR SPACE AND A 7/16" LAMINATED GLASS. THE 7/16" LAMINATED GLASS COMPONENT CONSIST OF AN .090 PVB INNER LAYER OF MONSANTO SAFELEX OR DUPONT BUTACITE BETWEEN (2) LITES OF 3/16" HEAT STRENGTHENED GLASS.
- 2.) CONFIGURATIONS: XO/OX/XX
- 3.) DESIGN PRESSURE RATINGS: SEE TABLES (NOTE ALLOWABLE PRESSURE DIFFERENCES WITH GLASS UPGRADE OPTION) NEG. DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLE ASTM E 1300-98. POS. DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLE ASTM E 1300-98.
- 4.) ANCHORAGE:

DOUBLE ROW OF FASTENERS LOCATED AS FOLLOWS AND PER SHEET 4 OF 6. HEAD & SILL:

MAX. 6 1/2" FROM CORNERS.

AT THE MEETING RAIL CENTERLINE.

MAX. 4" ON EACH SIDE OF MEETING RAIL CENTERLINE.

MAX. 21" SPACING.

JAMBS:

MAX. 6" FROM CORNERS.

MAX. 21" SPACING.

- 5.) SHUTTER REQUIREMENT: NO SHUTTERS REQUIRED
- 6.) REFERENCE TEST REPORTS: FTL-1972 & FTL-3741
- 7.) ALL FRAME CORNERS & PANELS SEALED WITH SCHNEE/MOREHEAD SEALANT.

COMPARATIVE ANALYSIS: FTL-3741 GLASS TYPE B. 1 1/16" I.G.,3/16" TEMPERED, 1/2" AIR SPACE, 7/16" LAMINATED (3/16" A, .090 PVB, 3/16" HS) TABLE 3. WITH 3.50" HIGH SILI TABLE 4. WITH 2.43" HIGH SILL

	DOOR HEIGHT						П				DOOR H	HEIGHT		
DOOR	84.0	000	90.0	000	96.0	96.000		DOOR	84.0	000	90.0	000	96.0	000
WIDTH	NEG	POS	NEG	POS	NEG	POS	Ш	WIDTH	NEG	POS	NEG	POS	NEG	POS
84.000	-53.9	53.9	-50.7	50.7	-48.2	48.2		84.000	-53.9	46.7	-50.7	46.7	-48.2	46.7
90.000	-49.8	49.8	-44.9	44.9	-43.7	43.7	П	90.000	-49.8	46.7	-44.9	44.9	-43.7	43.7
96.000	-49.1	49.1	-44.0	44.0	-40.7	40.7		96.000	-49.1	46.7	-44.0	44.0	-40.7	40.7

(OUTSIDE ELEVATION LOOKING IN)

COMPARATIVE ANALYSIS:

GLASS TYPE A. 7/16" LAMINATED (3/16" HS, .090 PVB, 3/16" HS)

GLASS TYPE C. 1 1/16" I.G.,3/16" TEMPERED, 1/2" AIR SPACE, 7/16" LAMINATED (3/16" HS, .090 PVB, 3/16" HS)

-90.0

-88.8

46.7

46.7

-89.3

-84.6

46.7

46.7

l	TABLE 1. WITH 3.50" HIGH SILL									
			1							
	DOOR	84.000		90.0	000	96.000		1	DOOL	
Ì	WIDTH	NEG	POS	NEG	POS	NEG	POS		WIDTI	
	84.000	-90.0	90.0	-90.0	90.0	-90.0	90.0	11	84.000	
I	90.000	-90.0	90.0	-89.3	89.3	-87.3	87.3	П	90.000	
l	96.000	-88.8	88.8	-84.6	84.6	-81.2	81.2		96.000	

FTL-3741 WITH 2.43" HIGH SILL DOOR HEIGHT 84.000 90.000 96.000 NEG POS NEG POS NEG | POS -90.0 46.7 -90.0 46.7 -90.0 46.7

-87.3

-81.2

FTL-1972

46.7

46.7

Robert L. Clark, P.E.

PE #39712

INDUSTRIES

1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275

P.O. BOX 1529 NOKOMIS, FL 34274

Revsd By: F.K.	Date: 6/2/03 G-	Revisions: -ADD GLASS TYPE & TABLE
Revsd By: F.K.	Date: 5/6/03 F-	Revisions: ALT. LOCK & 1 1/16" I.G.
Revsd By: L.T.	Date: 5/15/02	Revisions:
Revsd By: F.K.	Date: 5/22/02	Revisions: E-NO CHG THIS SHT
Drawn By: D.B.	Date: 2/16/98	

Acceptance No 03-0512

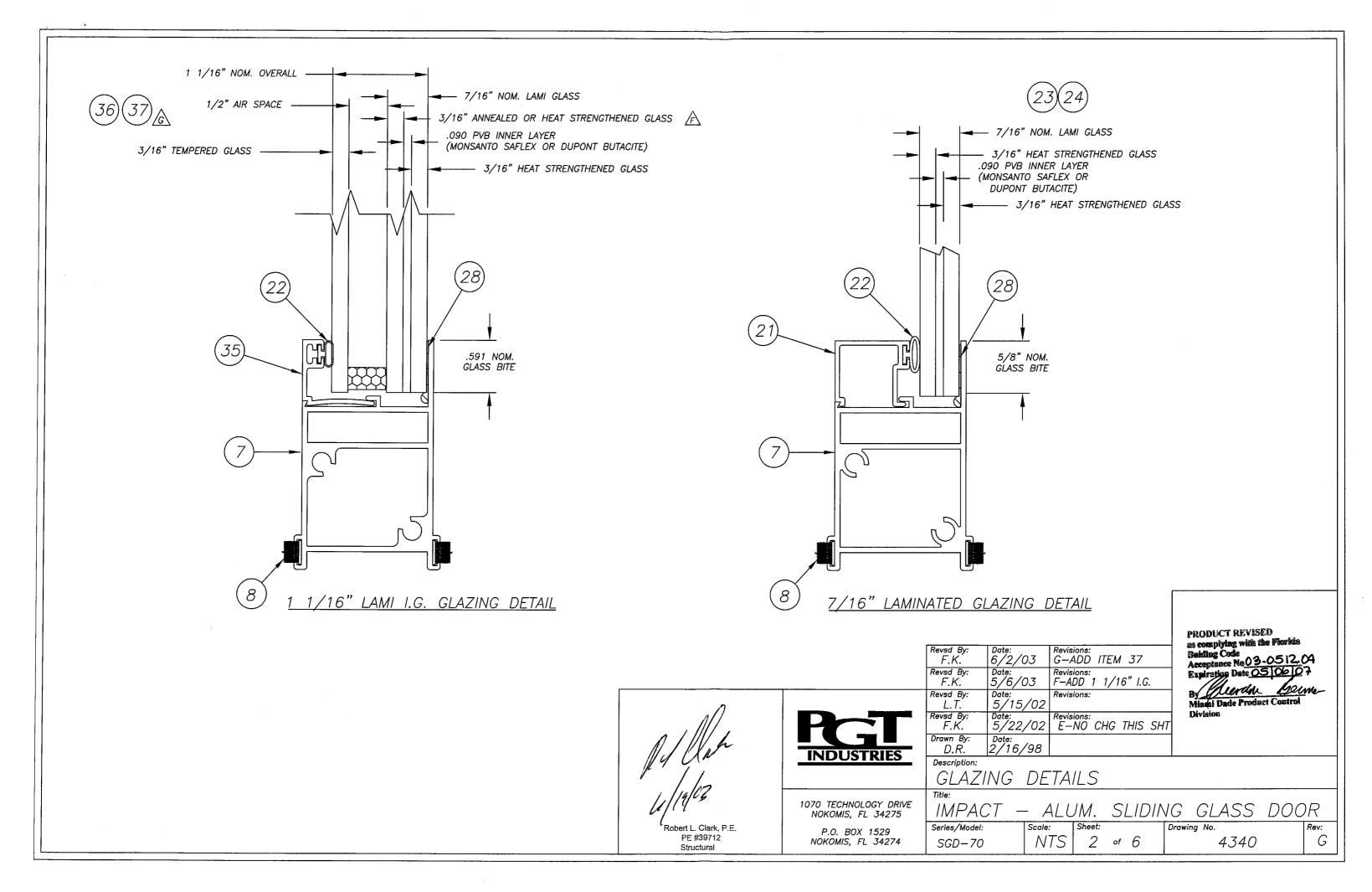
PRODUCT REVISED

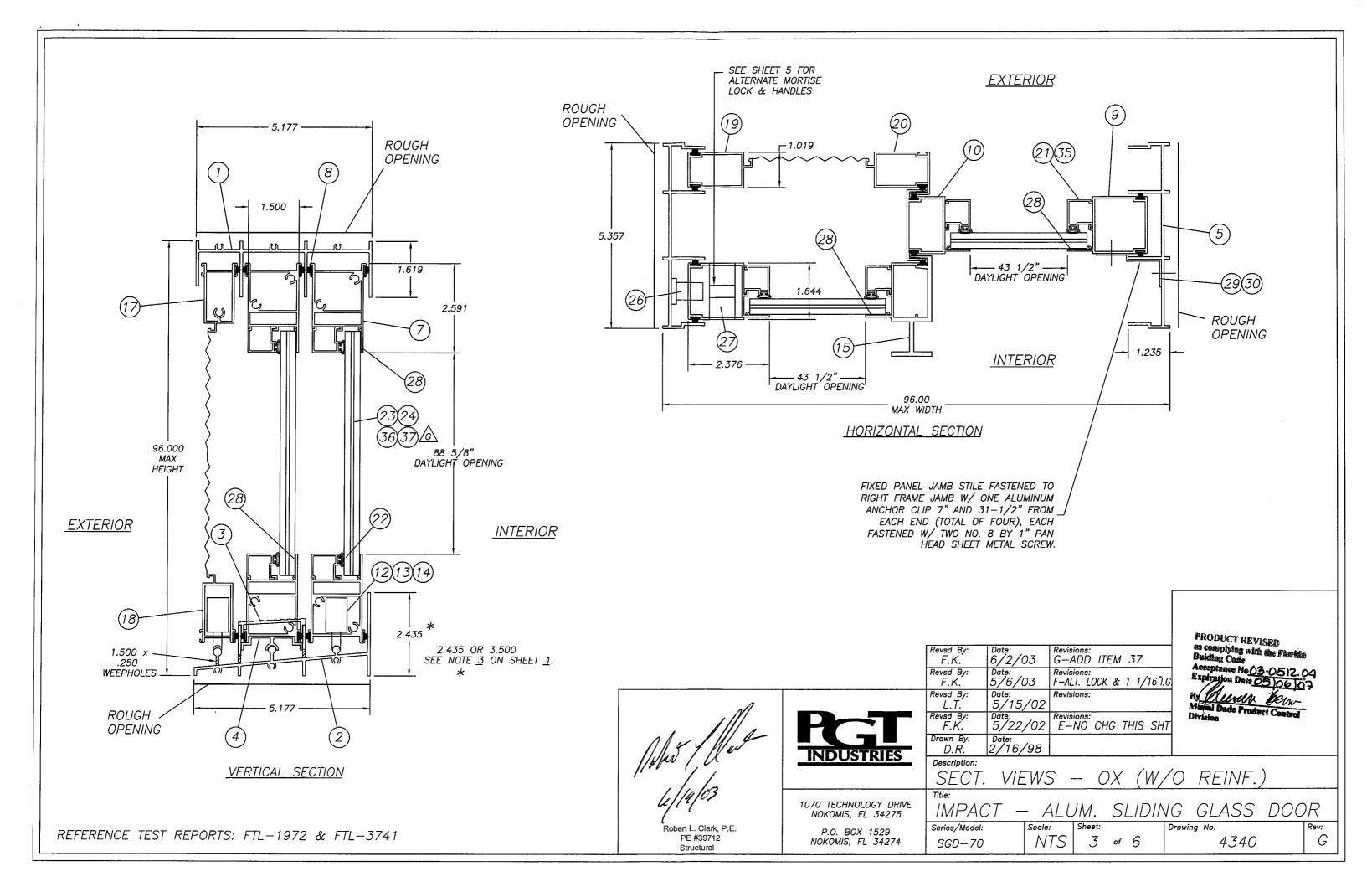
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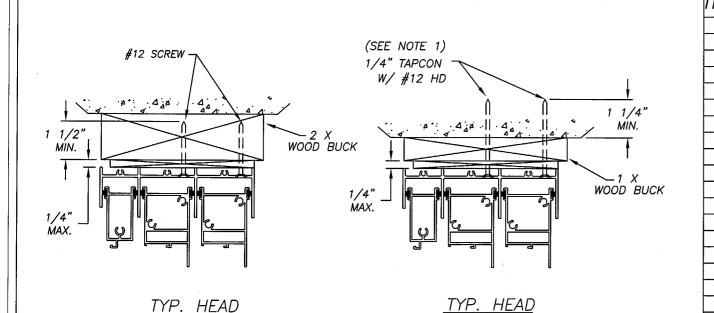
ELEVATION

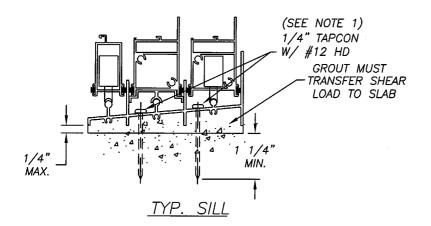
IMPACT - ALUM. SLIDING GLASS DOOR

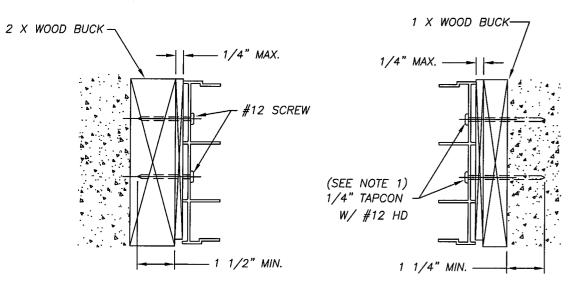
Sheet: Series/Model: Scale: Drawing No. Rev: G NTS 1 of 6 4340 SGD-70











TYP. JAMBS

NOTE:

1. USE MIAMI-DADE COUNTY APPROVED ELCO OR ITW TAPCONS.

2 3	EDILLE LELE O TOLOU	V.T. #	QTY./LOCATION	VENDOR	VENDOR #
3	FRAME HEAD, 2-TRACK	612245	1	ALUMAX	AF-12245
	FRAME SILL, 2-TRACK	612246	1	ALUMAX	AF-12246
4	THRESHOLD COVER, 2-TRACK	612255	1	ALUMAX	AF-12255
7 1	FIXED ADAPTER, FRAME SILL	612254	1	ALUMAX	AF-12254
5 /	FRAME JAMB, 2-TRACK	612247	2	ALUMAX	AF-12247
6	#8 x .750 PH. PN. SMS	7834A	12 (Frame assy. screws)	MERCHANTS FAST.	
	RAIL, TOP — (PANEL)	612248	2	ALUMAX	AF-12248
	NSTP, .170 BACK x.270, FIN SEAL	67S16G	24 (moving/fixed panels,screen)	SCHLEGEL CORP.	FS7516-187
	FIXED PANEL, SIDE RAIL	612249	2	ALUMAX	AF-12249
	FIXED PANEL, MEETING RAIL	612251	1	ALUMAX	AF-12251
	#14 x 1.500" PH. PN. SMS		20 (Panel/Screen assy. screws)	MERCHANTS FAST.	
_	ROLLER, STEEL	71049	2 (1@ea. end X panel bot. rail)	TRUTH HARDWARE	39-10
	ROLLER, STAINLESS STEEL	71050X	2	TRUTH HARDWARE	39-13
	PLUG, ROLLER ADJUSTMENT		2		187PW-0988-OAOA
	OPER. PANEL, SIDE RAIL	612261	1	ALUMAX	AF-12261
	1.5x1x.5 OPEN-CELL FOAM PAD		5 (1@ea. intermediate weepholes)		
	FRAME, TOP RAIL SCREEN	612256	1	ALUMAX	AF-12256
	FRAME, BOT. RAIL SCREEN	612257	1	ALUMAX	AF-12257
	FRAME, SIDE RAIL SCREEN	612258	1	ALUMAX	AF-12258
	RAIL, SCREEN MEETING	612259	1	ALUMAX	AF-12259
	GLAZING BEAD		8	ALUMAX	AF-534601
	BULB VINYL, THIN WALL GLZ. BD.		8 (1 per Glazing Bead)	TEAM PLASTICS	TP-247
	7/16"(.454) W/MONSANTO INTERLAYER		2	H.P.G.	
	7/16"(.454) W/DUPONT INTERLAYER		2	H.P.G.	
	SEAM SEALER	6SM55W		SCHNEE/MOREHEAD	SM5504
	LATCH: KEEPER	1046	1 (l.h. fr. jamb, 38" from bot.)	NATIONWIDE	2153
	HANDLE SET	1045	1 (I.h. lockstile, 40" from bot.)	NATIONWIDE	684
_	SILICONE	62899C		DOW CORNING	899 OR 995
	FIXED PANEL CLIP		4 (attaches fixed panel to jamb)	ALUMAX	AF-12262
	#8 x 1.000 Ph. Pn. SMS		4 (Fixed Panel Clip Screws)	SCHERER	
	GLAZING BEAD, 1 1/16" LAMI I.G.			INDALEX	64395
	1 1/16" LAMI I.G. GLASS		/2" SPACE, 7/16" LAMI (3/16"HS,.09		
37	1 1/16" LAMI I.G. GLASS	3/16"T, 1	/2" SPACE, 7/16" LAMI (3/16"A,.090	PVB,3/16"HS)	

INDUSTRIES

Robert L. Clark, P.E. PE #39712 Structural



Revsd By: F.K. Revisions: G—ADD ITEM 37 Date: 6/2/03 Revsd By: F.K. Revisions: F—ADD ITEMS 35, 36 Date: 5/6/03 Date: 5/15/02 Revsd By: Revisions: TAPCON DESIG. L.T. Date: 5/22/02 Revsd By: Revisions: F.K. CORRECT EMBEDMENTS Date: 2/16/98 Drawn By: D.B.

PRODUCT REVISED

Description:

ANCHORAGE DETAIL & PARTS LIST

1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275

IMPACT - ALUM. SLIDING GLASS DOOR

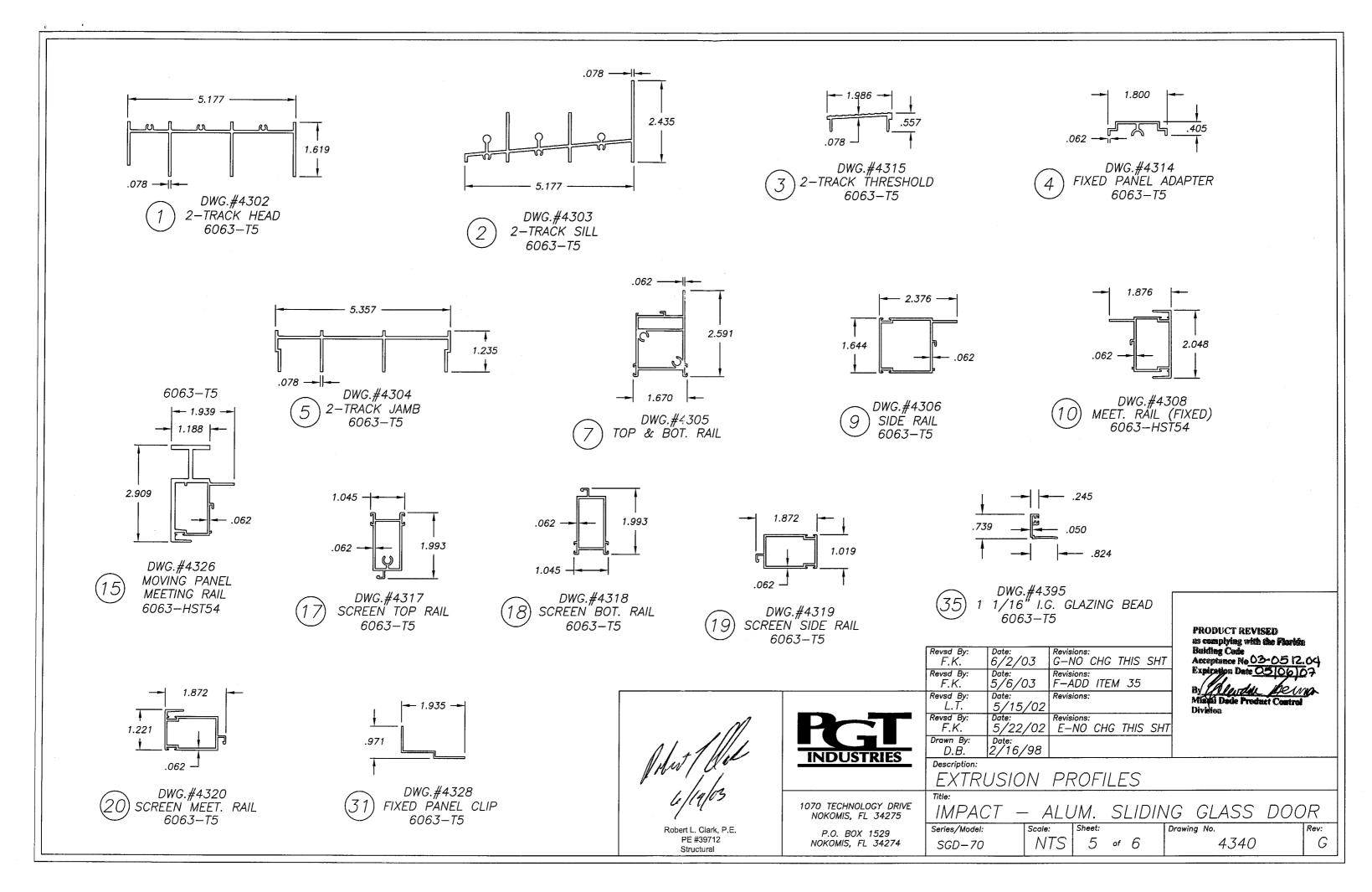
P.O. BOX 1529 NOKOMIS, FL 34274

Sheet: Series/Model: Scale: NTS 4 of 6 SGD-70

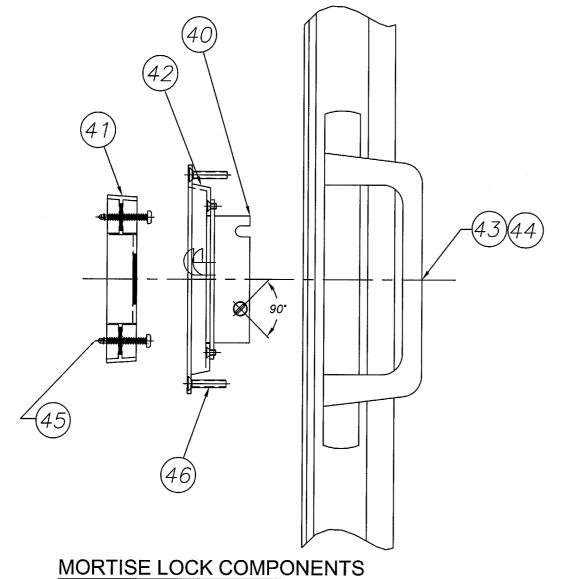
Drawing No. 4340

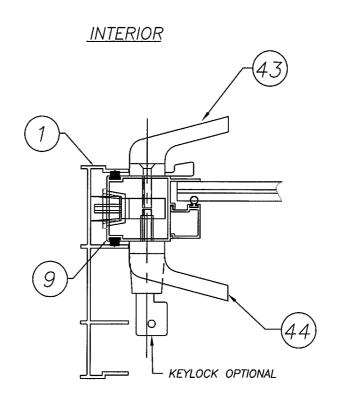
Rev:

G



	ITEM	DESCRIPTION	V.T. #		QTY./LOCATION	VENDOR	VENDOR	#
	40	MORTISE LOCK, SURF. MOUNTING	73009NFPX	1	(3 PLY HOOK & INT. THUMB KEY OPERATOR)	TRUTH		
	41	MORTISE LOCK KEEPER	22507MLK	1		TRUTH		
	42	MORTISE LOCK RECESS ADAPTER	72260MLRA	1		TRUTH		
L	43	INTERIOR PULL HANDLE		1		TRUTH		
	44	EXTERIOR PULL HANDLE (OPT. LOCK)		1		TRUTH		
	45	#8 x 1 1/4 PH PN SMS	78X1250PPA	2	(ATTACHES KEEPER)	SCHERER		
	46	#10-32 x 1 PH FH TYPE F SS	71032x1FPFX	2	(ATTACHES MORTISE LOCK)	SCHERER		





EXTERIOR

TYPICAL 'XO' OR 'OX' CONFIGURATION

PE #39712



1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275

P.O. BOX 1529 NOKOMIS, FL 34274

Revsd By:	Date:	Revisions:
F.K.	6/2/03	G-NO CHG THIS SHT
Revsd By:	Date:	Revisions:
F.K.	5/6/03	F-ADD ALT. LOCK ASSY
Drawn By:	Date:	
D.B.	2/16/98	

PRODUCT REVISED

ALTERNATE MORTISE LOCK & HANDLES

IMPACT - ALUM. SLIDING GLASS DOOR

Sheet: Drawing No. Series/Model: Scale: 6 of 6 4340 SGD-70